

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Fig. 1A

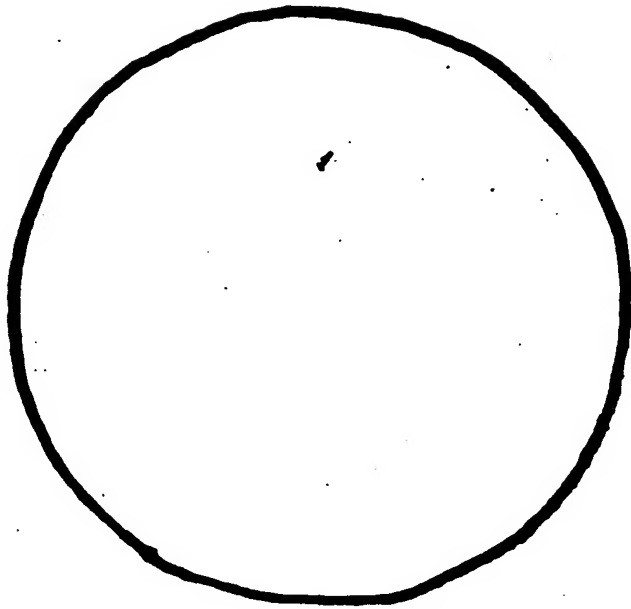


Fig. 1B



---

Fig. 2A

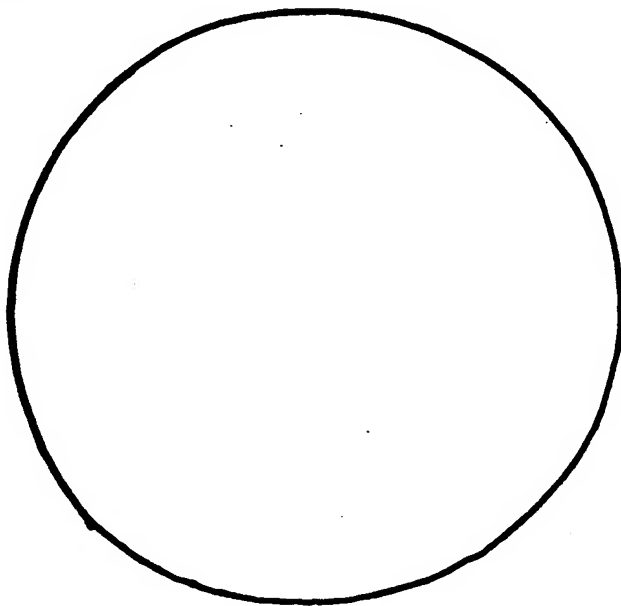


Fig. 2B



Fig. 3A

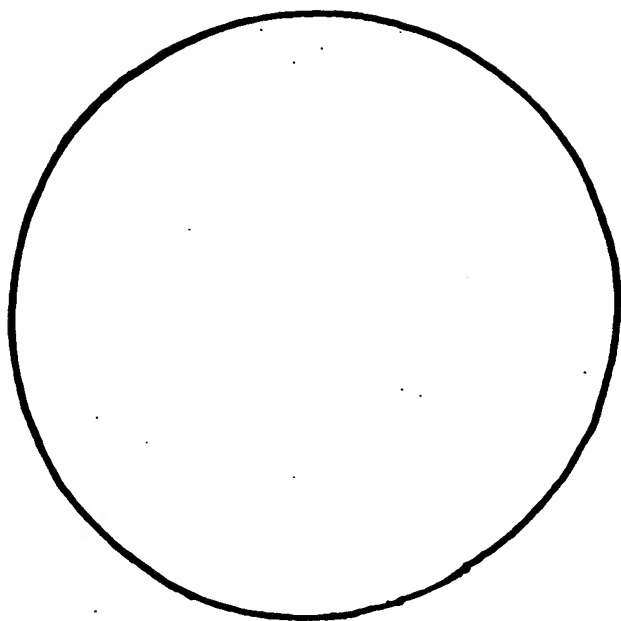


Fig. 3B

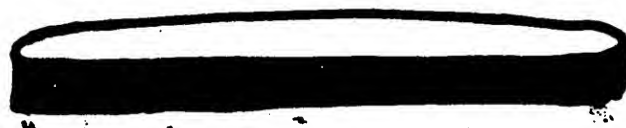


Fig. 4A

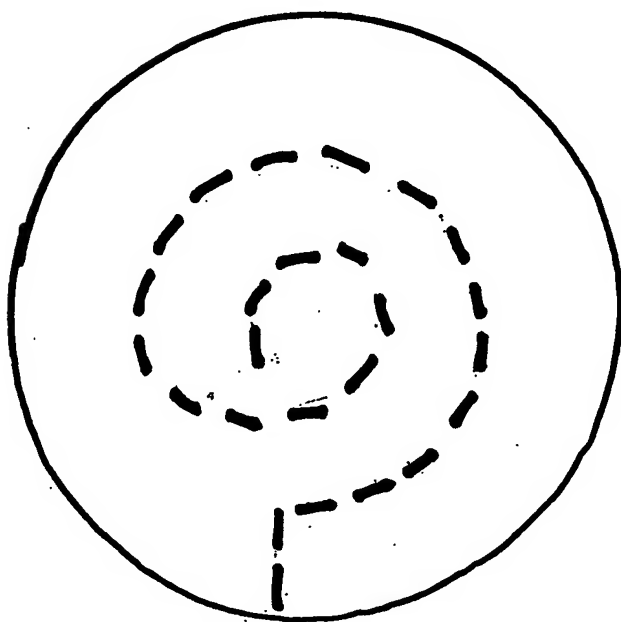


Fig. 4B

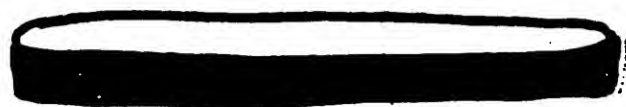


Fig. 5A

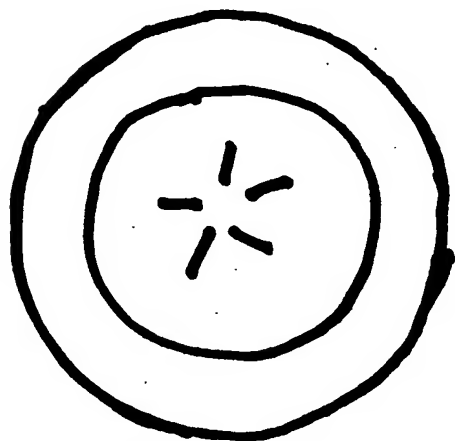
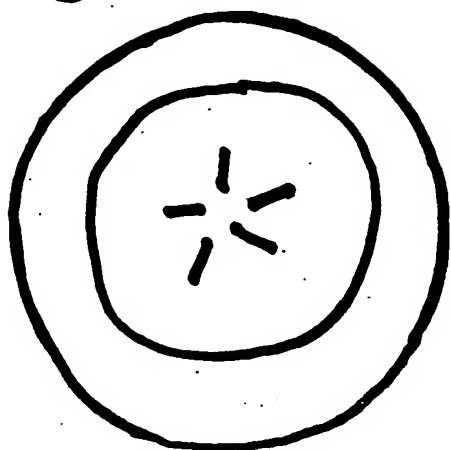


Fig. 5B



Fig. 6A

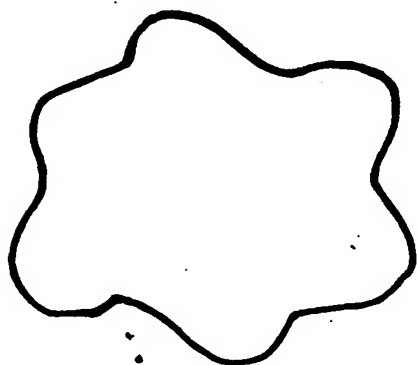


Fig. 6B



Fig 7A

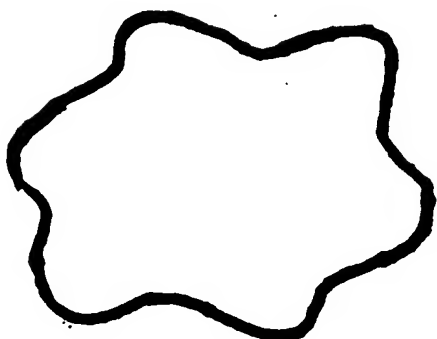


Fig. 7B



Fig. 8A

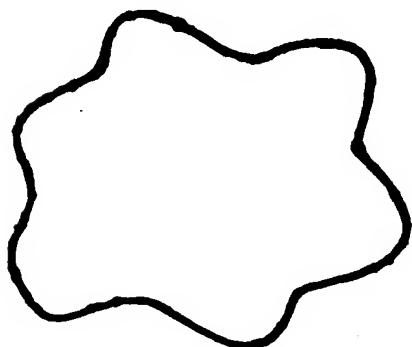


Fig. 8B



Fig. 9 A

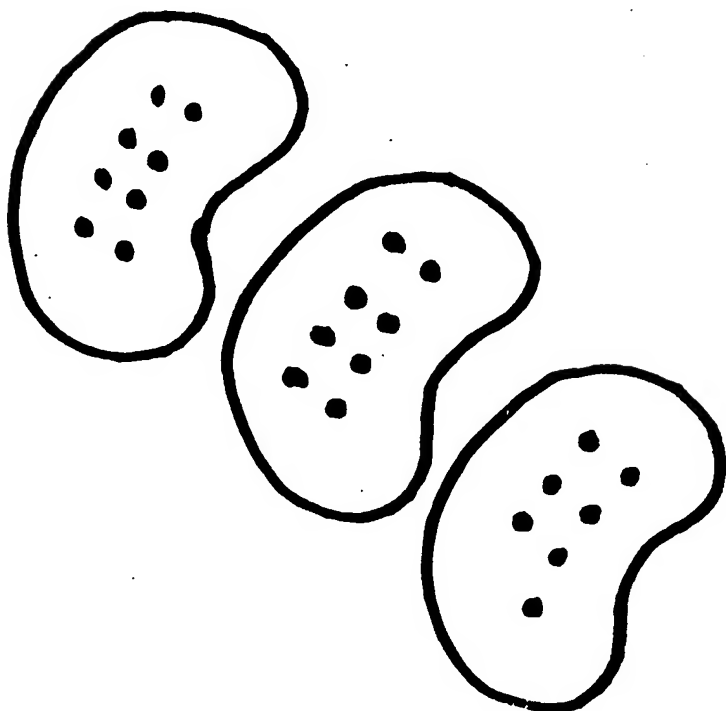


Fig. 9B

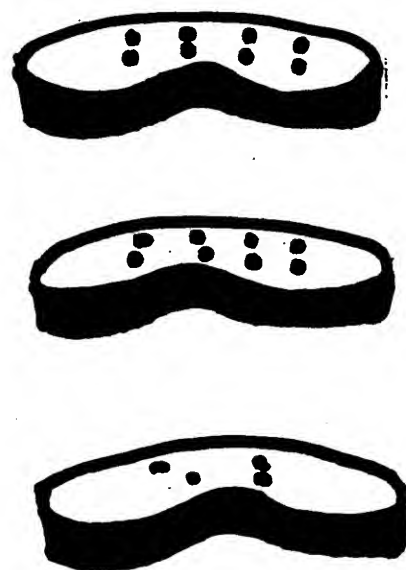


Fig. 10A

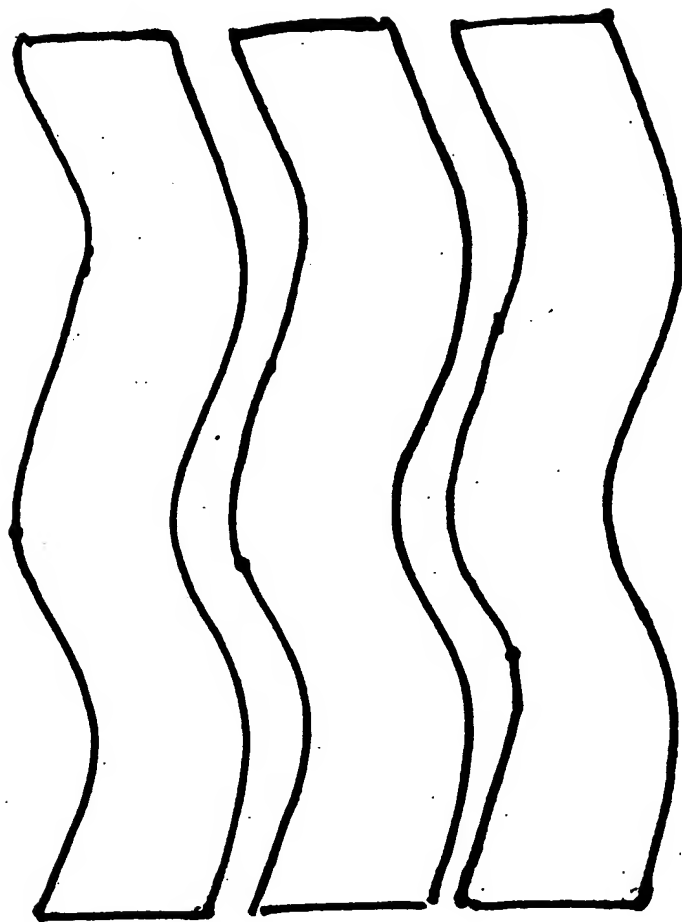


Fig. 10B

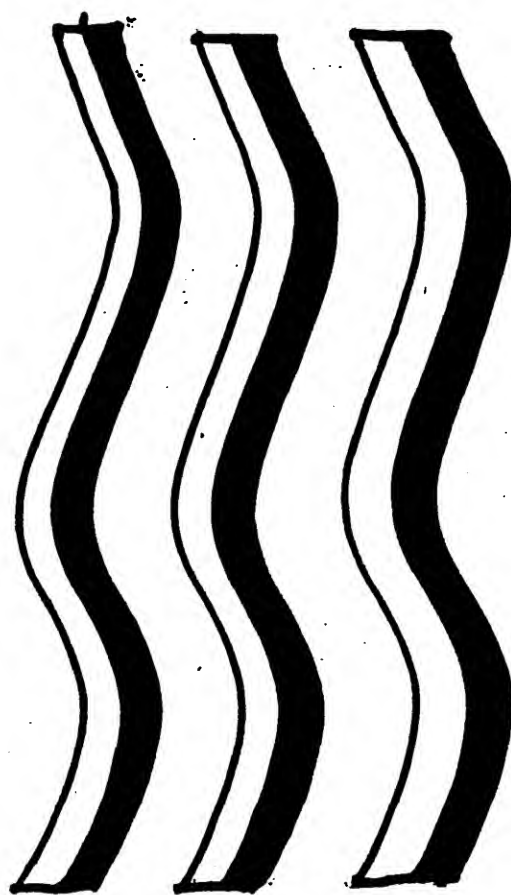


Fig. 11A

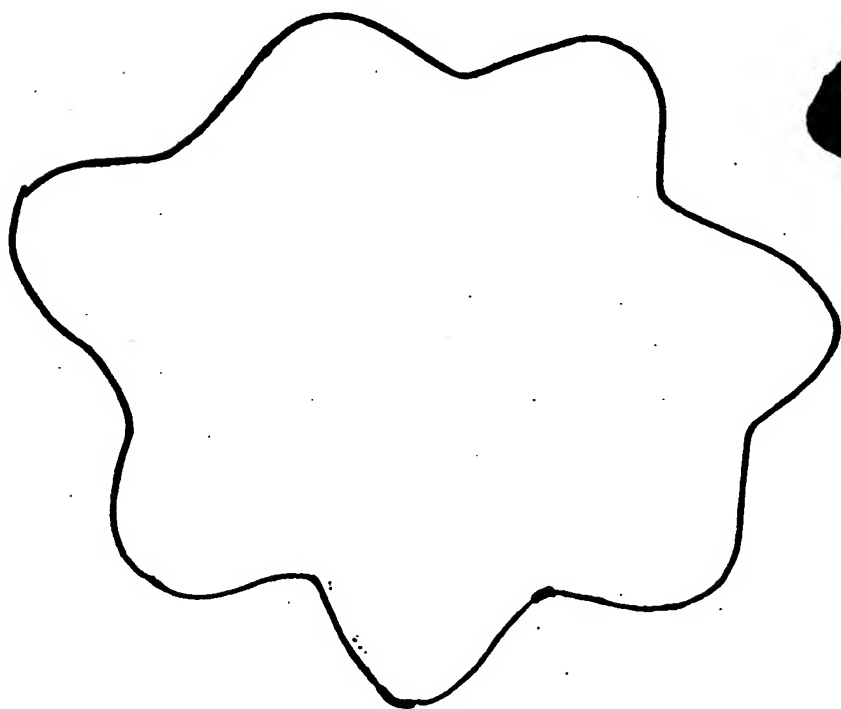


Fig. 11B

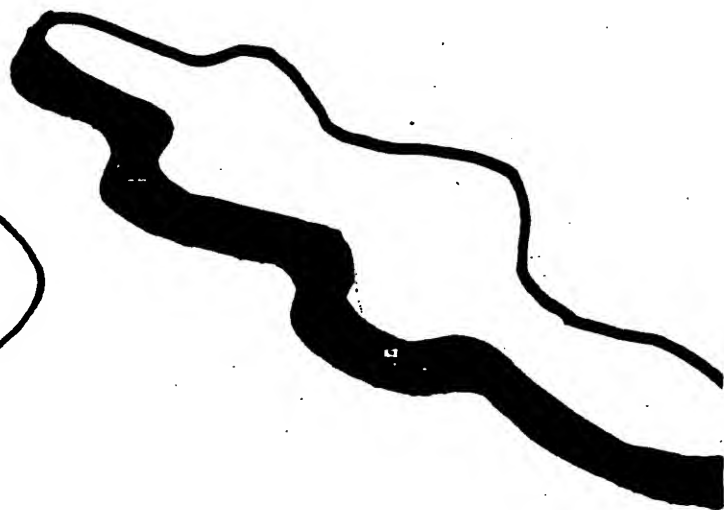


Fig. 12 A

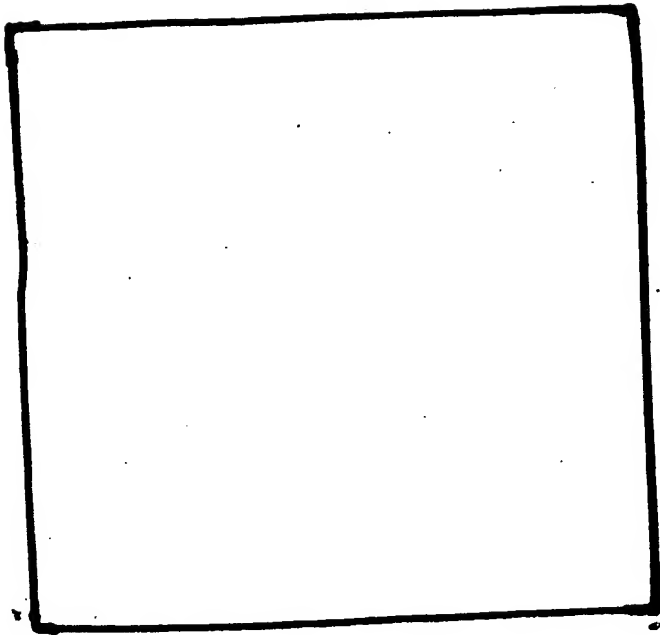


Fig 12B



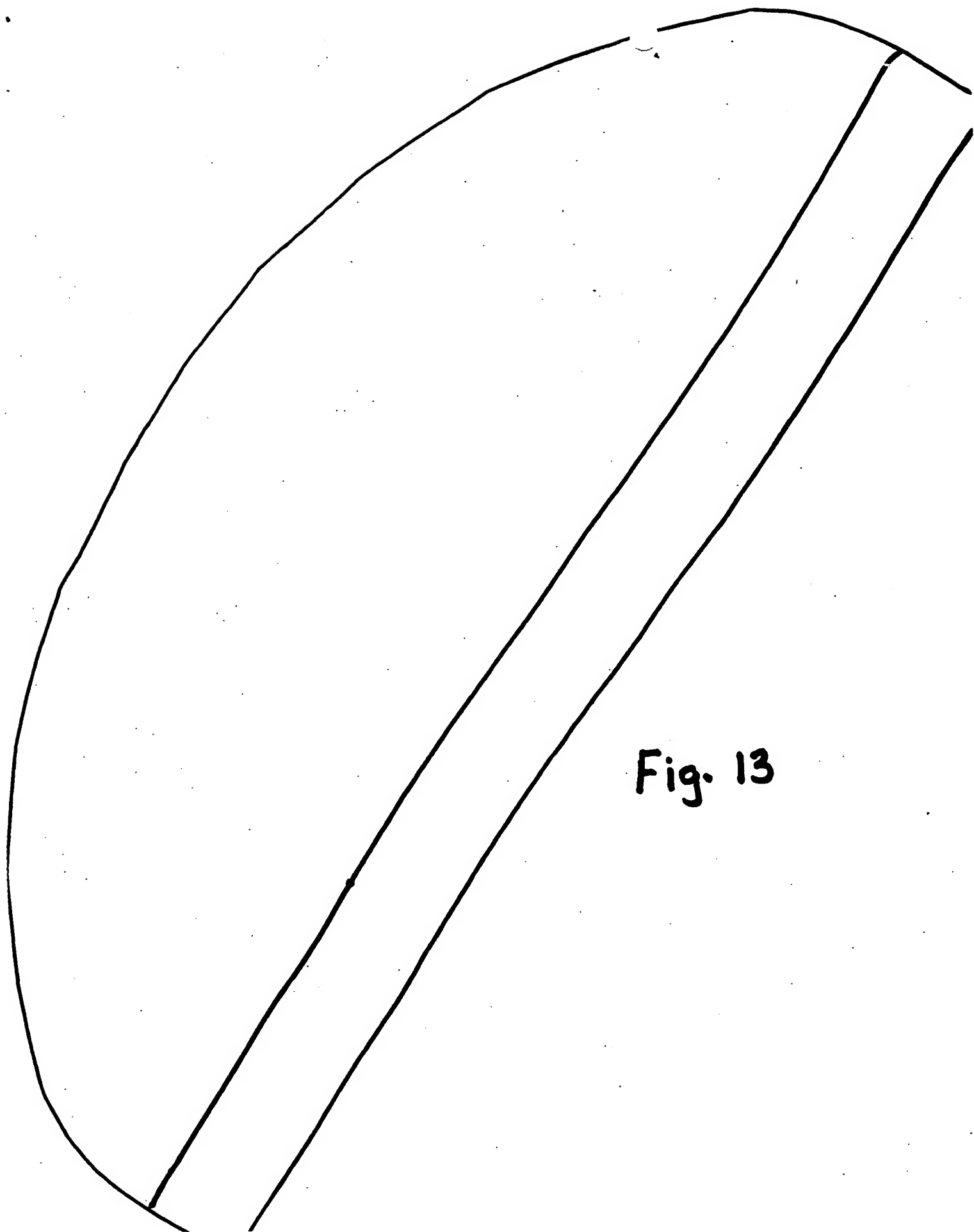


Fig. 13



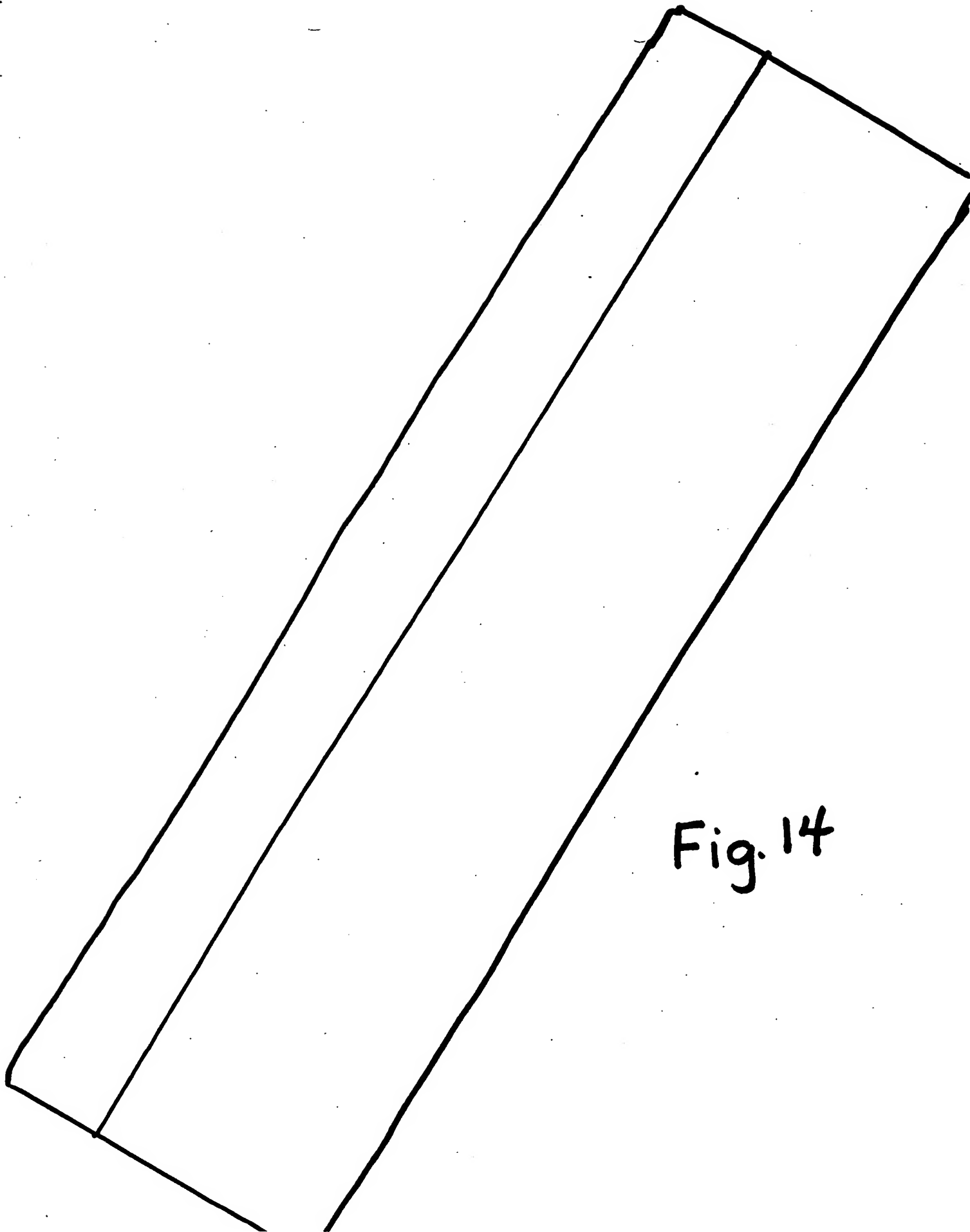


Fig. 14

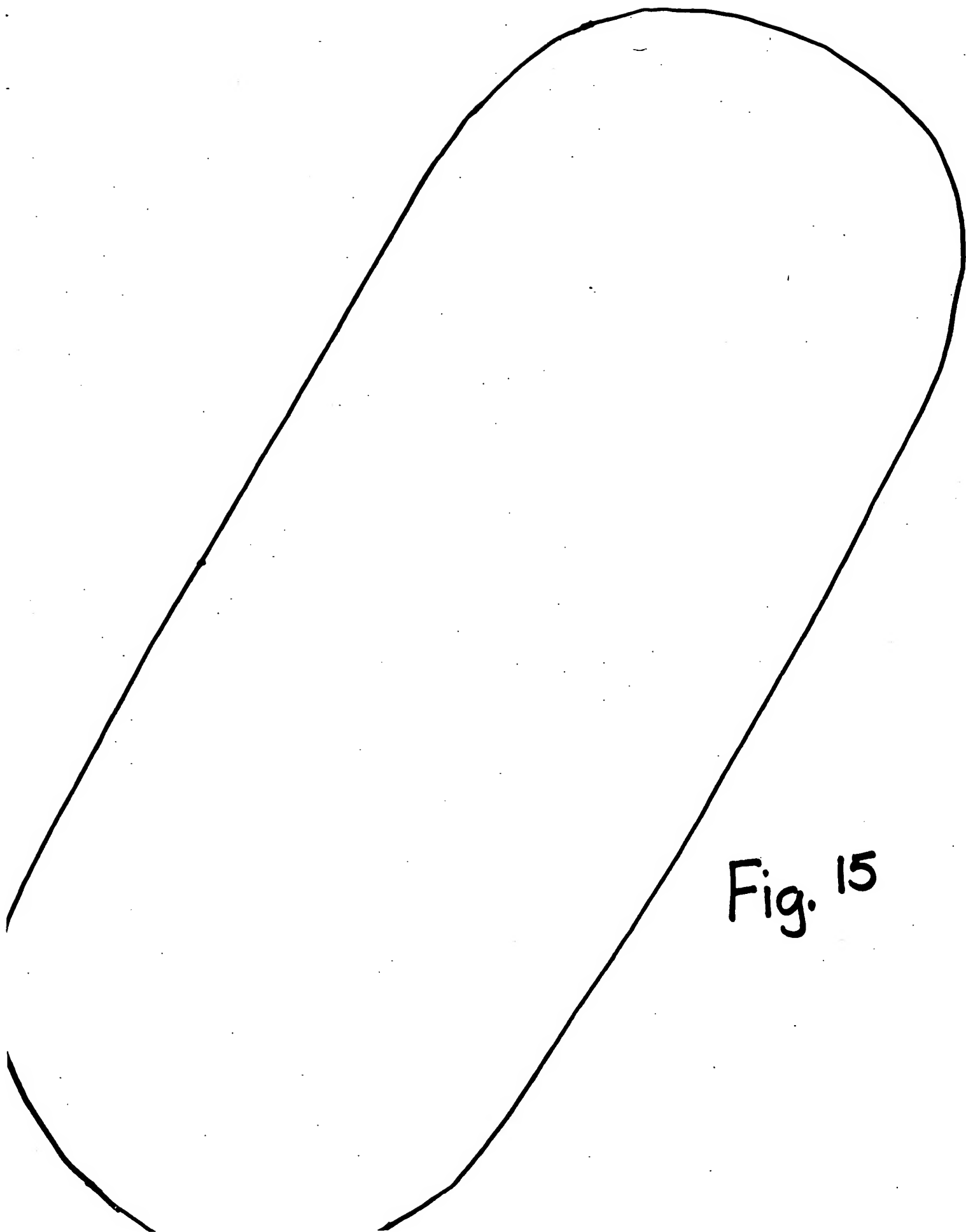


Fig. 15

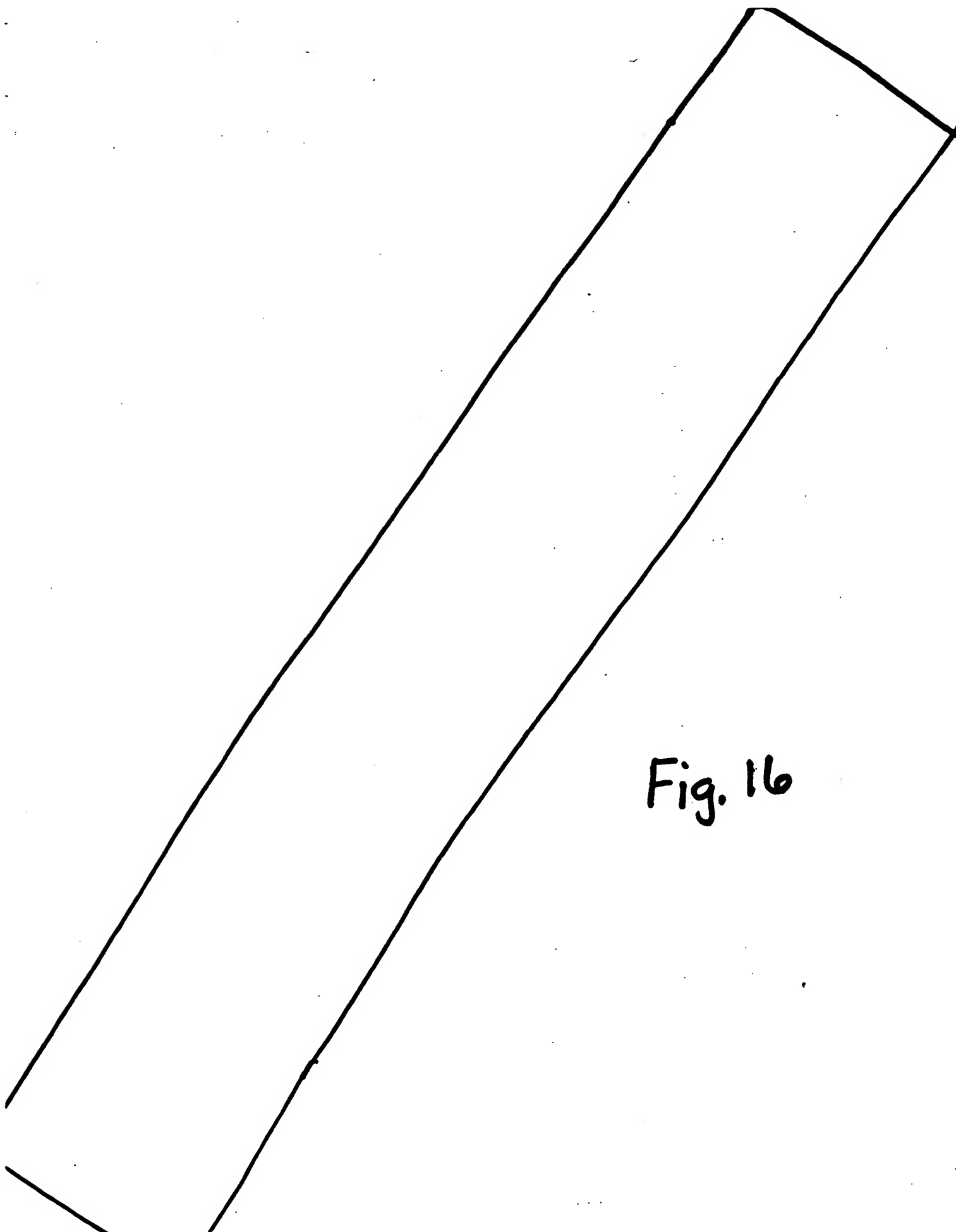


Fig. 16

Fig. 17

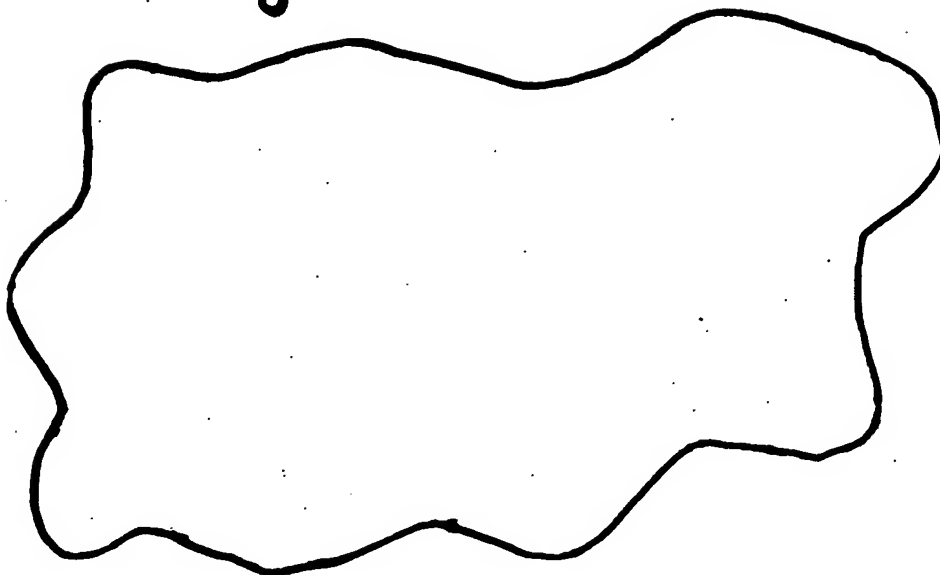


Fig. 18

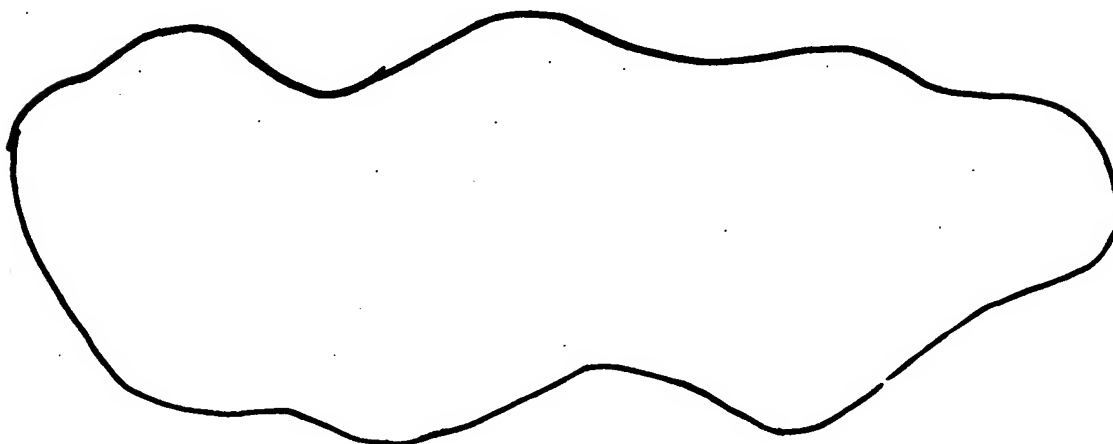


Fig. 19



Fig. 20

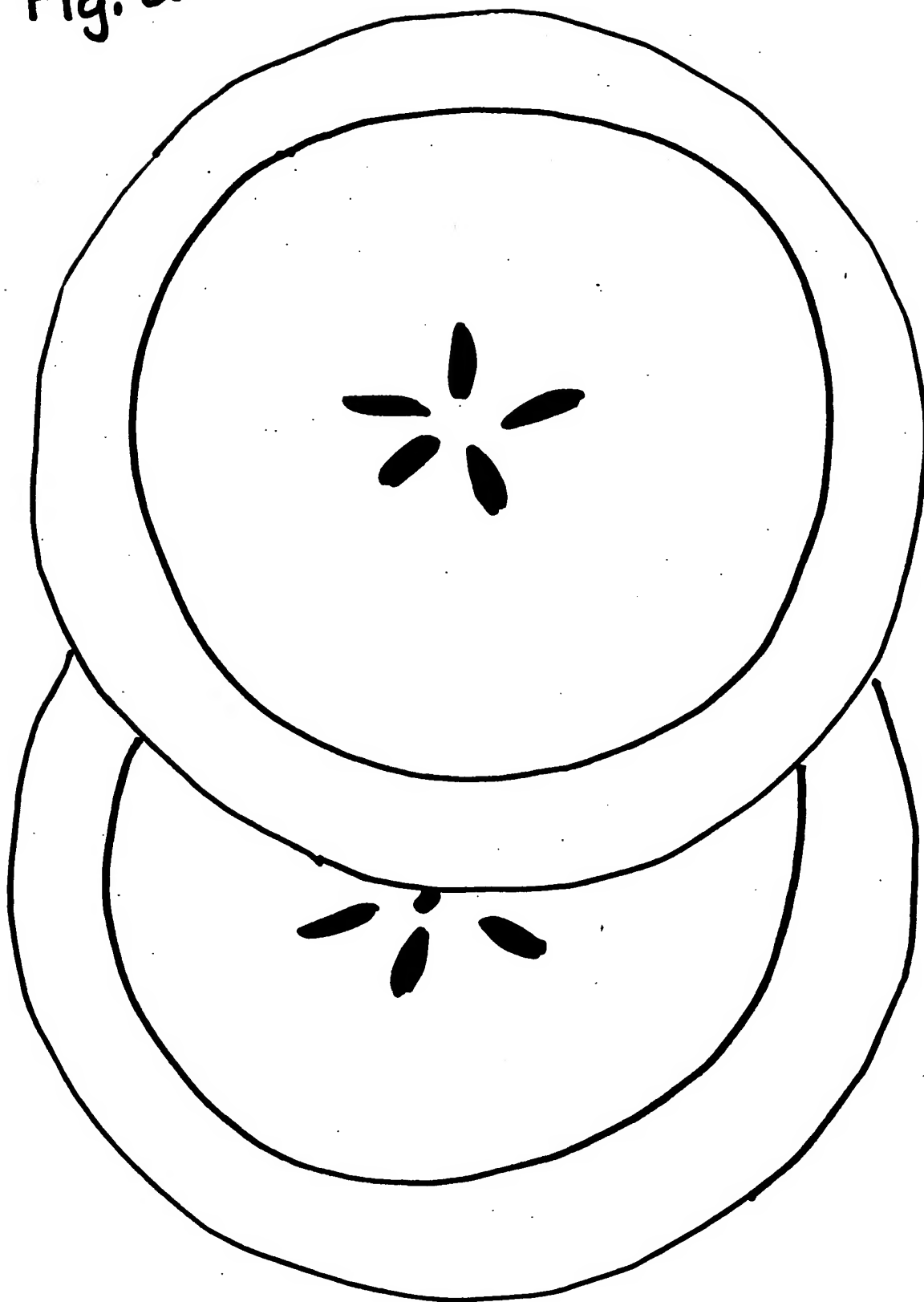


Fig. 21

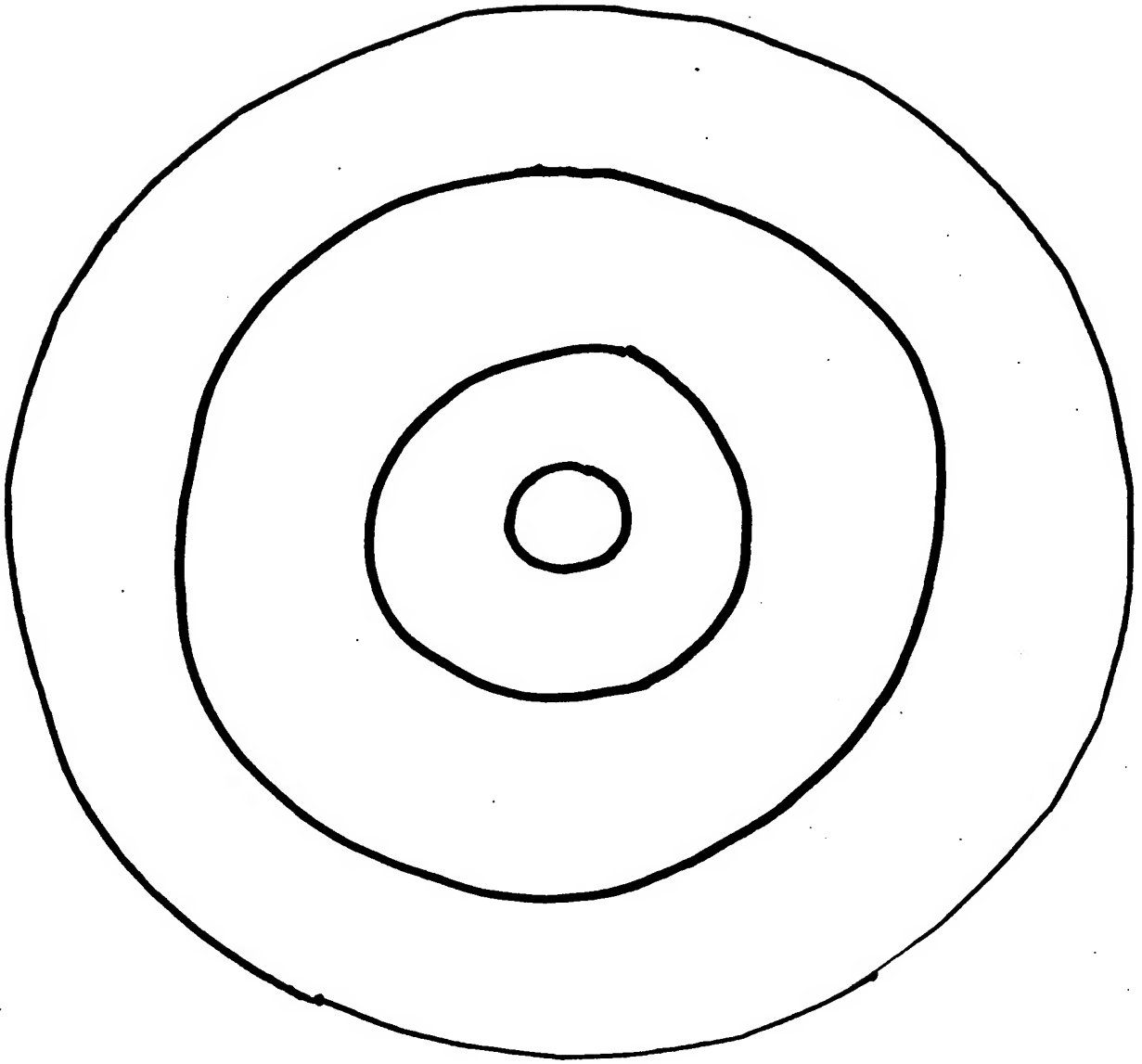


Fig. 22

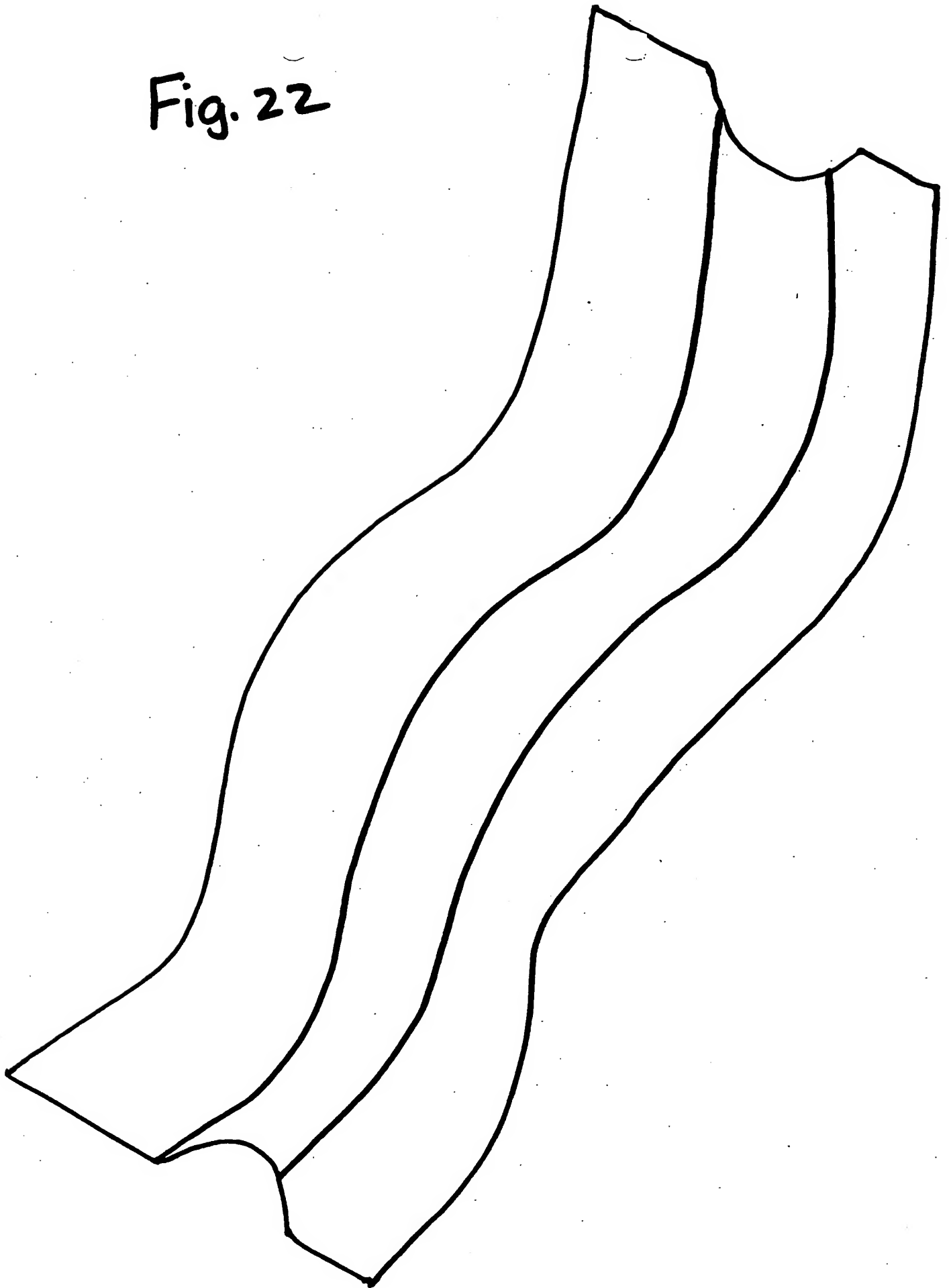


Fig 23

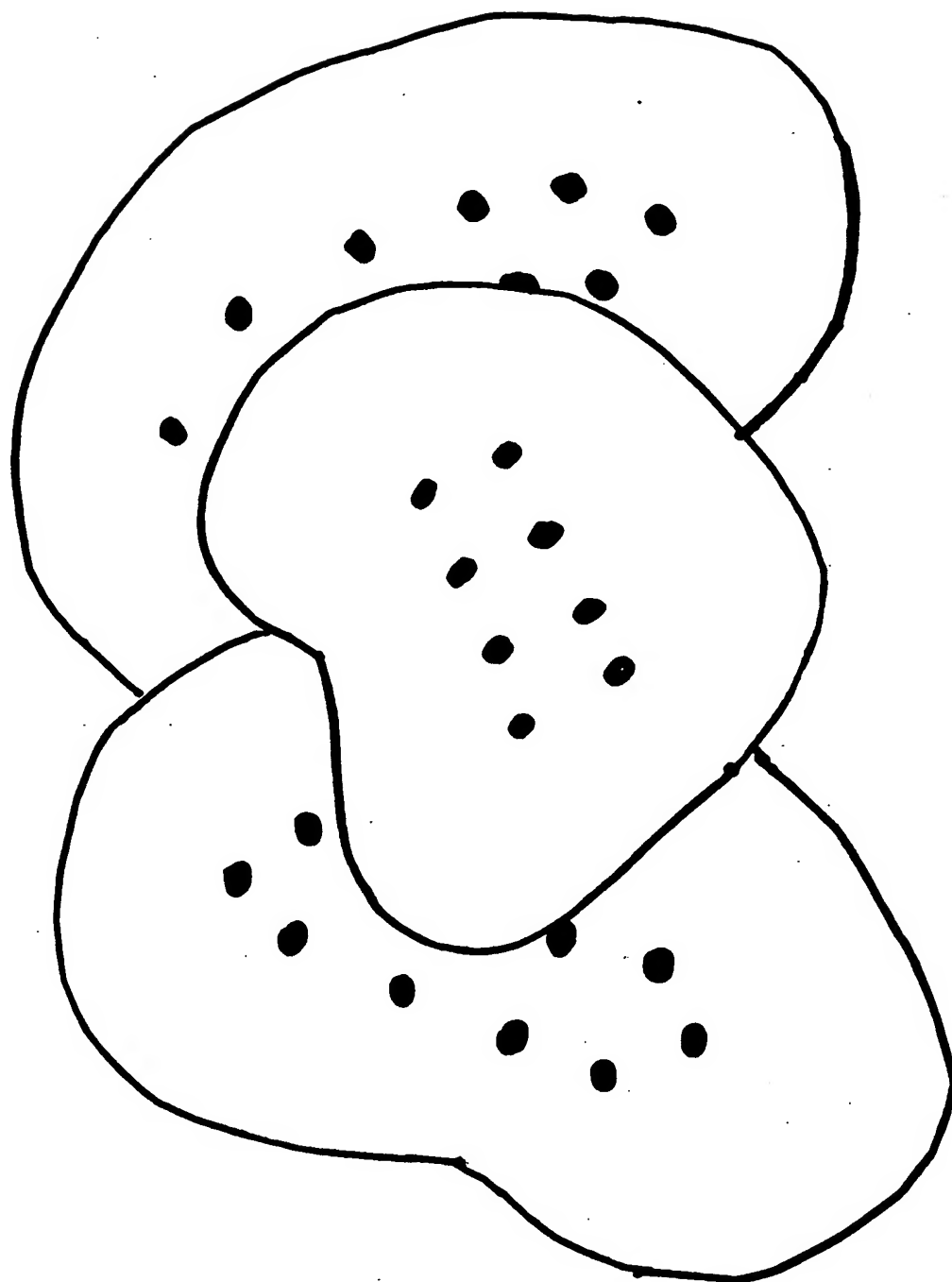




Fig. 24

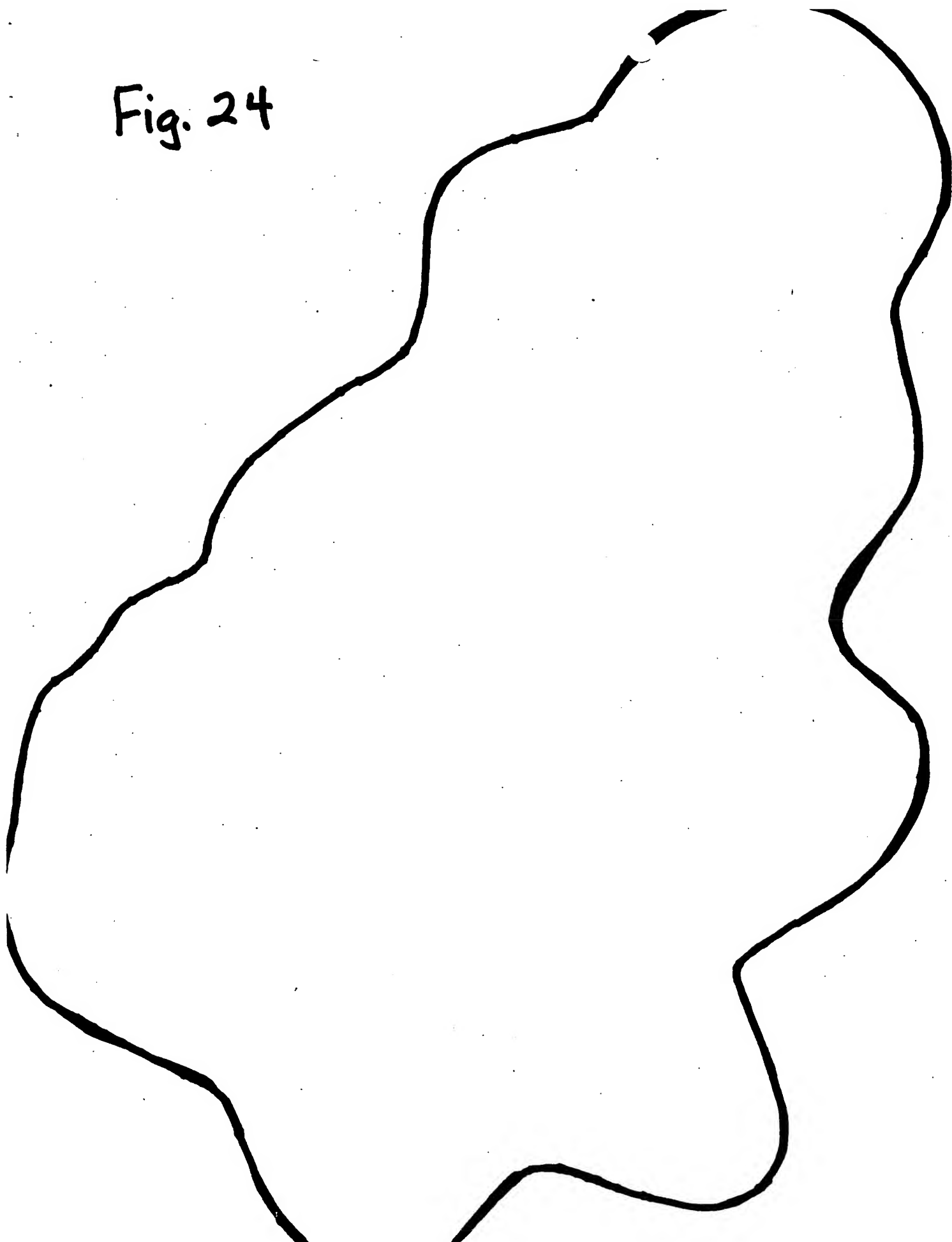


Fig. 25A

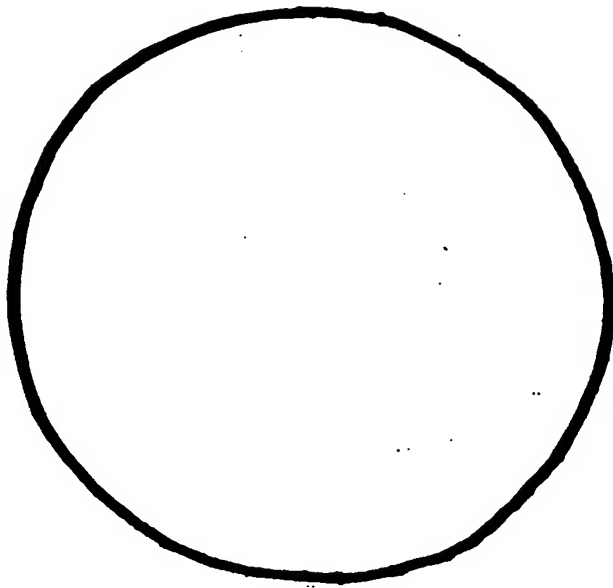


Fig. 25B



Fig. 26A

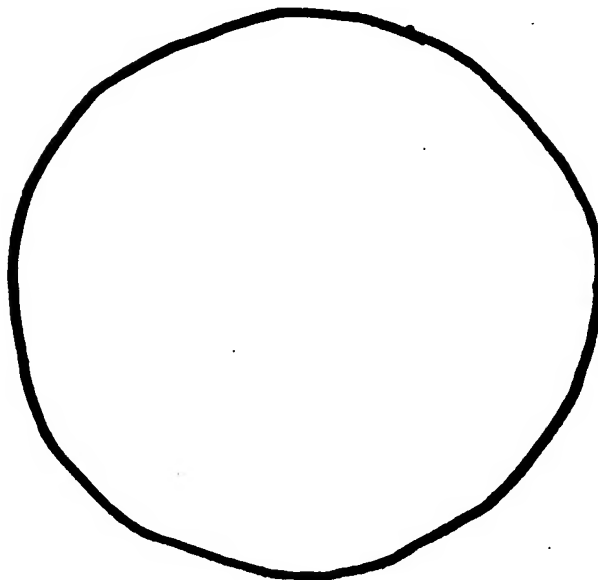


Fig. 26B



Fig 27A

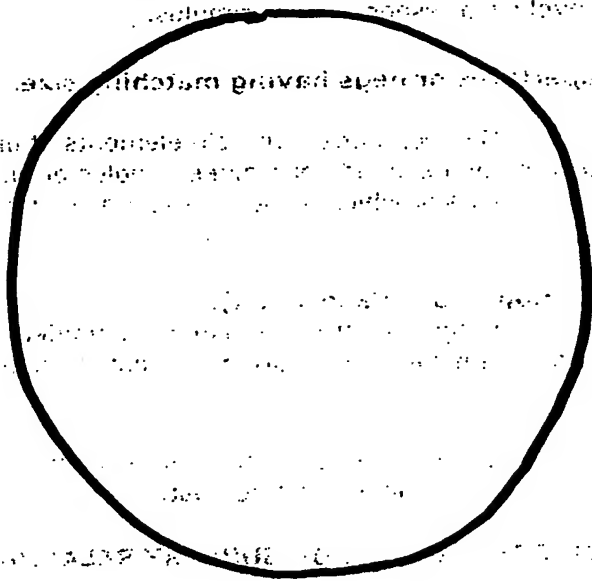


Fig. 27B



Fig. 28A

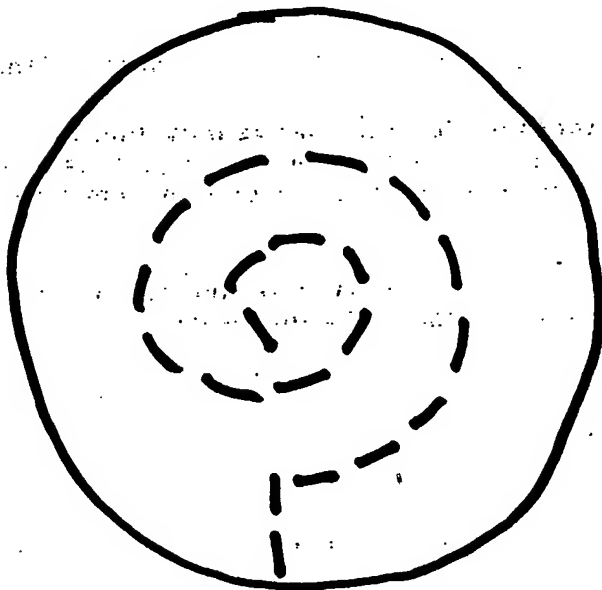


Fig. 28B



Fig. 29A

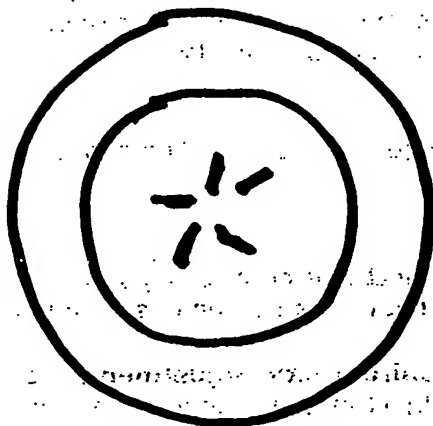
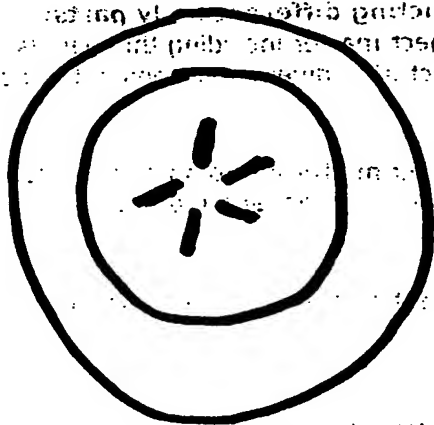


Fig. 29B

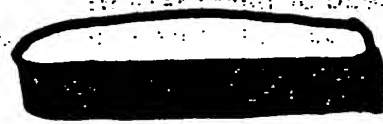


Fig. 30A

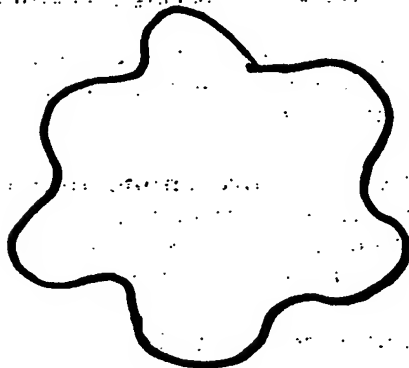


Fig. 30B



Fig. 31 A

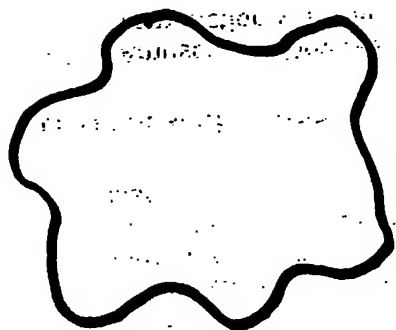


Fig. 31 B



Fig. 32 A

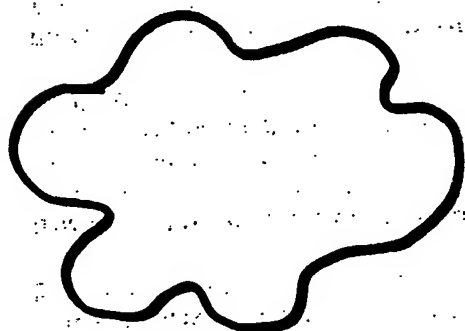


Fig. 32 B

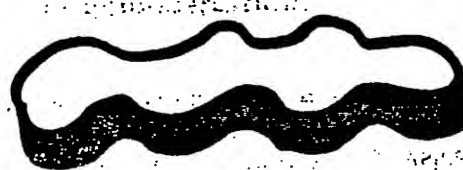


Fig. 33 A

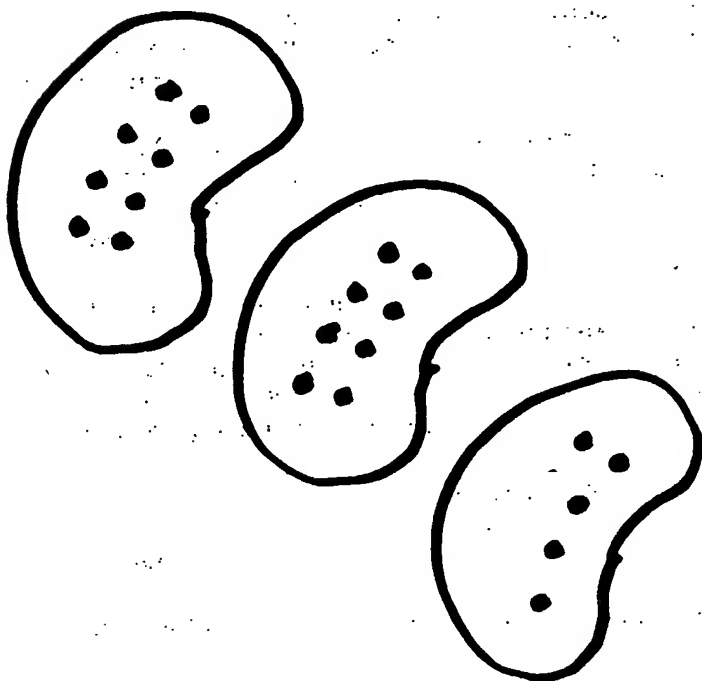


Fig. 33 B

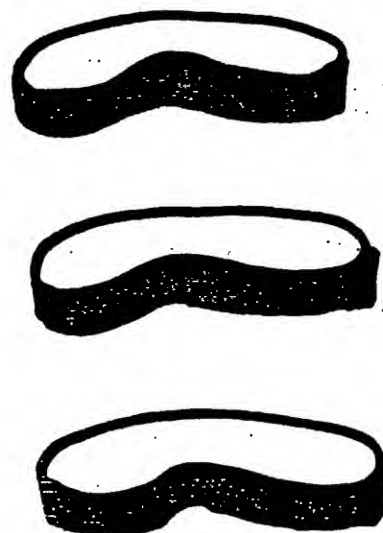


Fig. 34A

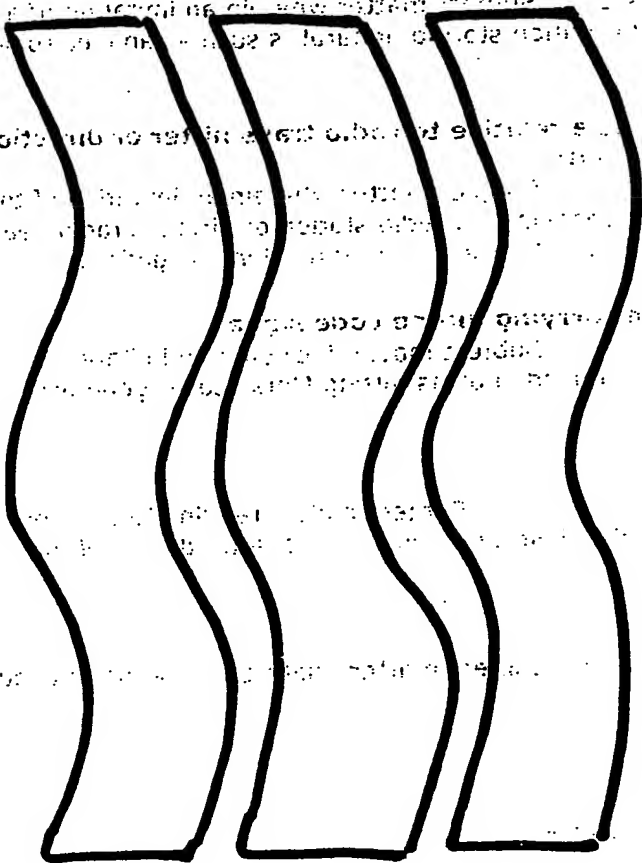


Fig. 34B

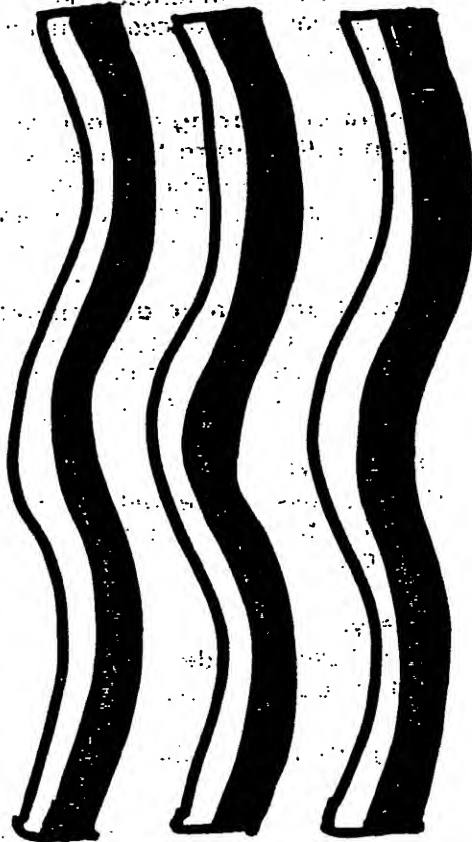


Fig. 35A

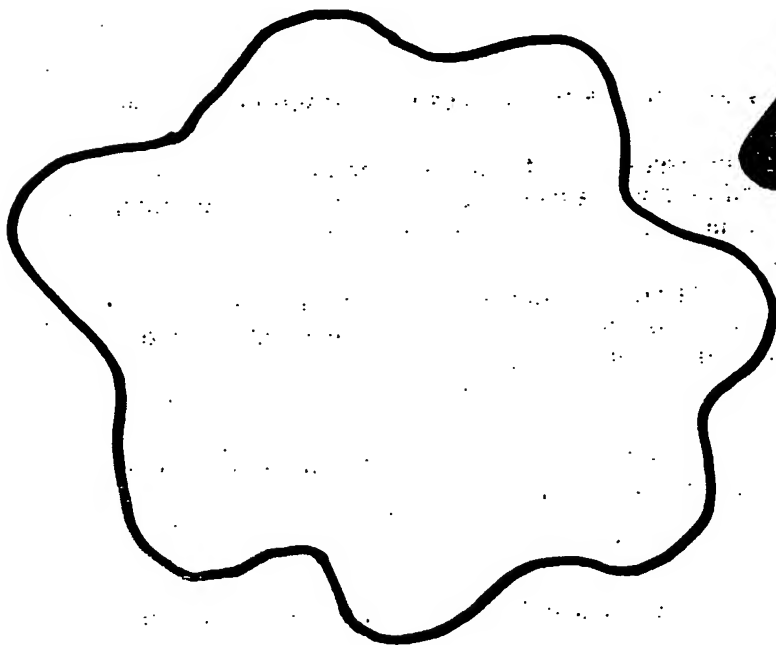


Fig. 35B

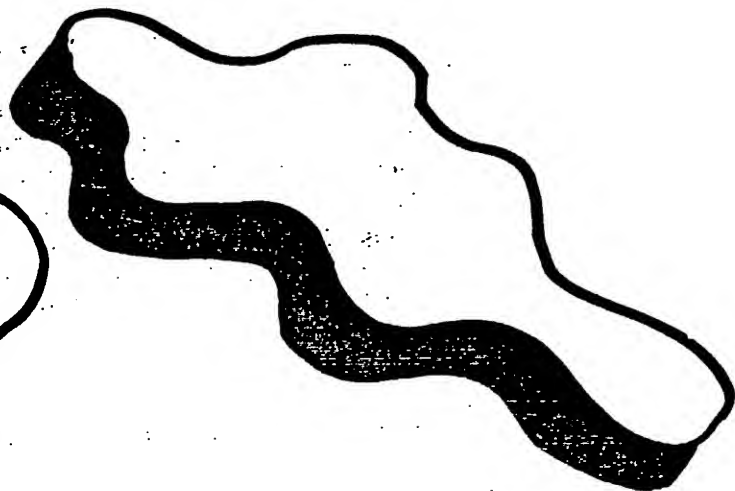


Fig. 36A

Fig. 36B

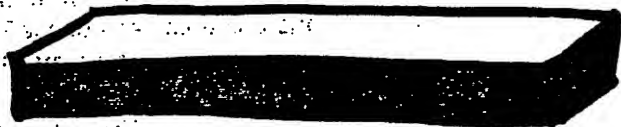
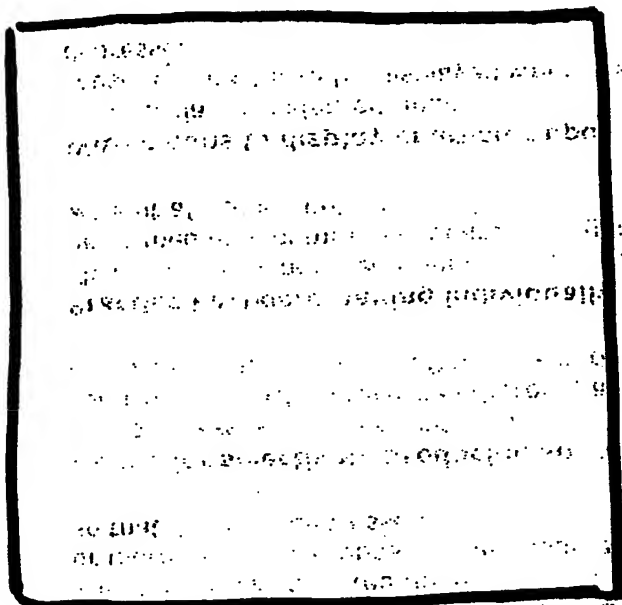


Fig. 37

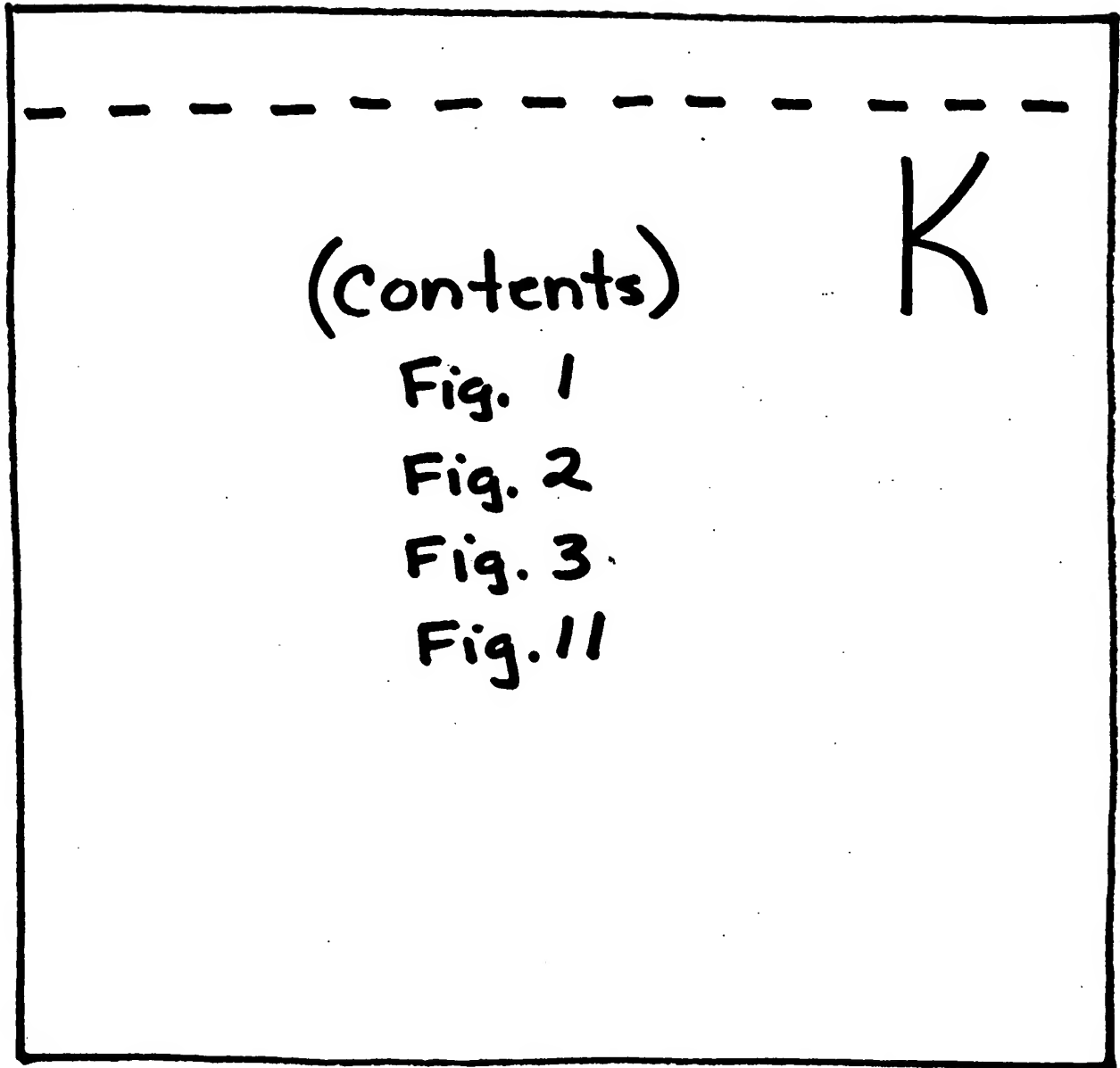




Fig. 38

(Contents)

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 11

Fig. 12

Fig. 39

2

(Contents)

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 6

Fig. 10

Fig. 11

Fig. 12

Fig. 40

(Contents)

3

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 9

Fig. 10

Fig. 11

Fig. 12

# Fig. 41

## (Contents)

4

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 42

(Contents)

5

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9

Fig. 10

Fig. 11

Fig. 12